



JULY / AUGUST 2011

Burr Oak Woods Conservation Nature Center

*From fireflies to
fishing, discover
nature this summer*
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Lake City Shooting Range & Outdoor Education Center

*Try something new
this summer:
Introduction to
Skeet Shooting*
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**Parma Woods
Shooting Range
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KANSAS CITY

Nature & You

News and Events from Missouri Department of Conservation

Archery can be traced through the world's oldest cultures as hunters first drew bows in Asia, Europe and North America. The bow and arrow helped tribal cultures protect themselves from hostile neighbors and secure meat for the table.

Today, archery remains a mainstay for hunting but is also a popular and accessible target shooting sport.

Let's talk first about archery as a sport. Today there are a number of games that have evolved to challenge archers. The best competitors can advance to the Olympic Games.

The Missouri Department of Conservation is helping to nurture archery sport shooters, perhaps even the next Olympic hopefuls. MDC supports the National Archery in the Schools Program (MoNASP) by teaching instructors and helping schools secure grants to purchase equipment.

A modern generation of archers is on the rise. The MoNASP program teaches international-style competitive archery to middle school and high school students. At most participating schools, the program is part of a physical education program, a school sport or simply an after school program. In all cases one thing remains constant – the competition.

MDC sponsors MoNASP tournaments throughout the state. This year's Kansas City Regional Tournament in Warsaw drew 152 competitors. The state tournament hosted 857 students from 49 schools. This summer Missouri will send 302 of the top competitors to the national tournament in Louisville, KY. For more information on this school program, visit www.mdc.mo.gov/monasp.

Target archery is also popular among adult recreational shooters. Some see it as a way to tune up their skills between hunting

seasons while others simply enjoy target shooting. Popular archery games include indoor archery, field archery and 3-D archery.

Indoor target archery is typically shot at a distance of 20 yards. The archers shoot a total of 60 shots, five points per arrow, for a total possible score of 300. The person with the highest score or the most X's wins.

In field archery, the targets are outdoors. Some archers shoot at paper animal targets and others shoot at bulls-eye targets. One thing remains constant, the challenge, especially since outdoors the archers shoot at targets of varying sizes and from various

distances. The shooter with the best score wins.

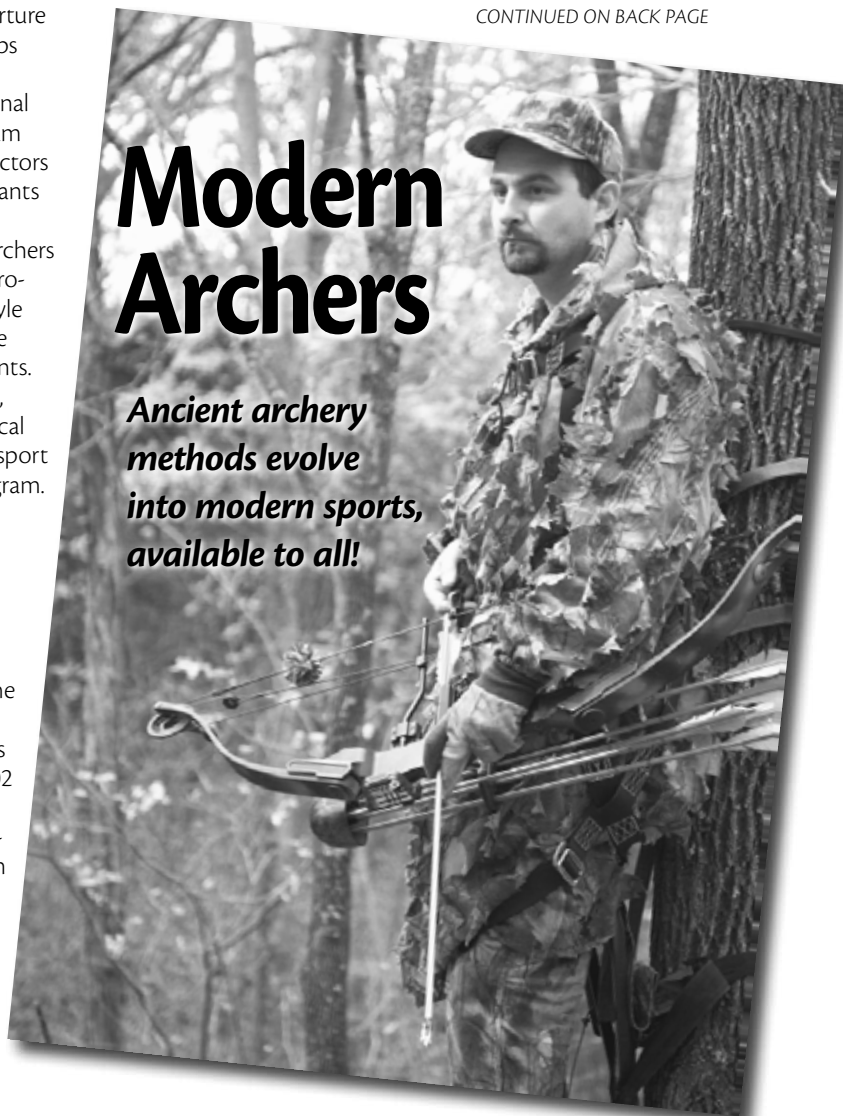
Similar to field archery in some ways, the game of 3-D archery was developed to challenge and test hunting skills. In this game, archers shoot at life size animal targets from unknown distances, just like hunting. For more information on any of these, contact one of our MDC staffed ranges or your local archery retailer.

Enough about games, let's talk about securing food for the table. Throughout the last century, many benefits have been associated with bowhunting. Getting outdoors is therapeutic and reduces stress. Hunters going afield also provide

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Modern Archers

*Ancient archery
methods evolve
into modern sports,
available to all!*



Burr Oak Woods CONSERVATION NATURE CENTER

Located in Blue Springs, Missouri, one mile north of I-70 and one mile west of MO 7 on Park Road. Six trails, 1,071 wooded acres, two picnic areas, indoor wildlife viewing area, 3,000 gallon native fish and turtle aquarium, hands-on nature exhibits, gift shop, and sales of fishing and hunting permits.



1401 NW PARK ROAD
BLUE SPRINGS, MISSOURI 64015

HOURS: Nature Center
Tuesday–Friday: 7 AM–6 PM
Saturday: 8 AM–5 PM
Area and Trails
Daily: 7 AM–6 PM
Daylight Savings Time: 7 AM–8 PM
Closed Thanksgiving & Christmas

HOW TO REGISTER FOR A PROGRAM:
Programs are free. **Call 816-228-3766** to sign up for a *Registration required* program on or after the first business day of that month.
www.mdc.mo.gov/areas/cnc/burroak/

PROGRAMS & EVENTS JULY & AUGUST

HIKING THE HABITATS

JULY 2 / SATURDAY / 10:00 – 11:00 AM
No registration required (All ages) Let's kick off the Fourth of July weekend by taking a hike through the beautiful habitats of Burr Oak Woods. As we pass through prairies, forests and rock outcrops we will observe the wondrous colors of red, white and blue – and of course green – that nature has provided.

DISCOVER NATURE FAMILIES: FIREFLIES!

JULY 7 / THURSDAY / 7:30 – 9:00 PM
Registration required (Families with children ages 5 and up) How do fireflies light up the sky? Join us as we take an evening to enjoy the wonderful world of lightning bugs. We will find out about this bright beetle and its habits and make a firefly craft together. We will also try to catch some fireflies to look at up close!



FAMILY FISHING

JULY 9 / SATURDAY / 9:00 – 11:00 AM
Registration required (Families) It's time to bait hooks and have some fun at the Burr Oak Woods education pond. We will teach the basics of fishing, provide equipment and worms, and then let you and your family try your luck. Your attendance to this program will put you in the drawing at the end of the summer for a Zebco 33 Spincast Rod and Reel Combo and a tackle box for all your future fishing endeavors! Attendees ages 16 – 64 must have a valid fishing license.

STREAM TREKKING

JULY 9 / SATURDAY / 11:00 AM – 1:00 PM
Registration required (Adults) Beat the summer heat by splashing around in Burr Oak Creek! This spectacular stream is the lifeblood of our forest and home to some amazing animals. We will take a walk in the stream and investigate some of the critters that live there.

ENTOMOLOGY 101

JULY 16 / SATURDAY / 10:00 AM – 12 NOON
Registration required (Adults) Scientists have identified about 1.5 million insect species and more are discovered each year. Learn how entomologists study insects, how to identify insect families and how the scientific world is learning to harness these wild animals to benefit agriculture and medicine.

PURSLANE GARDEN TOUR

JULY 21 / THURSDAY / 8:30 – 11:00 AM
Registration required (Adults) To your health! You will love getting to know this nutritious wild plant during a tour of a Missouri River bottom garden. It is easy to include this interesting little native in your own garden. Purslane is a rich source of omega-3 fatty acids!

Spend a summer Saturday exploring the world of insects with Entomology 101 July 16 at Burr Oak Woods.



SLITHERING SNAKES!

JULY 23 / SATURDAY / 1:00 – 2:30 PM
Registration required (All ages) Slither in and discover the wonderful world of Missouri's snakes. These legless, scaly reptiles are often misunderstood but are beneficial to people and the environment. Join us as we untangle snake myths, meet some live snakes up close and go on a "herp hike" in the forest.

THE GOOD, THE BAD AND THE UGLY

JULY 30 / SATURDAY / 1:00 – 2:30 PM
Registration required (Ages 6 and up) For most, the turkey vulture falls under one or all of these descriptions. Yet they have played an unusual and vital role throughout history. Although their role has changed over the years, they are often still misunderstood. Join us as we meet a live turkey vulture from Lakeside Nature Center.

ROCKIN' & READIN' NATURE TALES

JULY 30 / SATURDAY / 11:00 AM – 12 NOON
Walk-in (Ages 2 and up) Join us for a story hour as we lead you on fantastic nature adventures. We will meet butterflies, birds, mammals and all sorts of magnificent creatures! We will cross rivers, discover mysteries within the forest and fly across the prairies. Our imaginations are the only limits.

WE ARE THE RAIN

AUGUST 6 / SATURDAY / 9:30 – 10:30 AM
Registration required (Ages 18 to 48 months with adult) Mid-summer means heat! Every living thing needs a little water to survive including you and me. Your little one will become the rain as we head out for a wet hike full of curiosity, investigation and fun!

DISCOVER NATURE FAMILIES: CANOEING

AUGUST 9 / TUESDAY / 6:00 – 8:00 PM
Registration required (Families with children ages 7 and up) Observing nature from a canoe can be an exhilarating experience. Whether you are a beginner or a seasoned pro, we will review the basic techniques so you may embark on your own canoeing experience. Canoeing can be an adventure your family will remember for years to come. We will meet at Prairie Hollow Lake at James A. Reed Memorial Wildlife Area.

FAMILY FISHING

AUGUST 13 / SATURDAY / 9:00 – 11:00 AM
Registration required (Families) It's time to bait hooks and have some fun at the Burr Oak Woods education pond. We will teach the basics of fishing, provide equipment and worms, and then let you and your family try your luck. Your attendance to this program will put you

We help people discover nature!



Take the whole family fishing Saturday, August 13 at Burr Oak Woods.

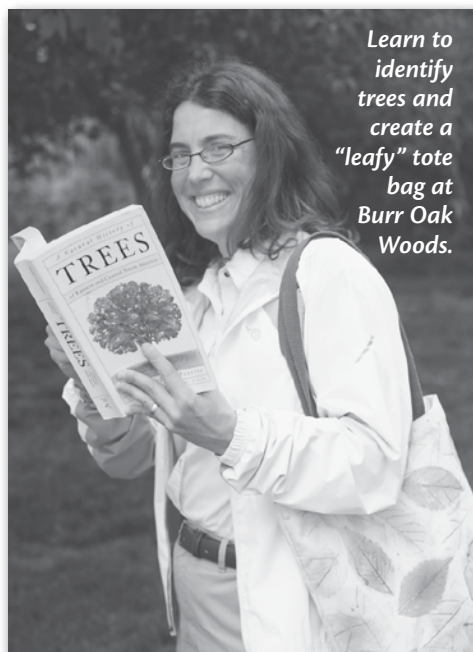
in the drawing at the end of the summer for a Zebco 33 Spincast Rod and Reel Combo and a tackle box for all your future fishing endeavors! Ages 16 – 64 must have a valid fishing license.

DISCOVER NATURE WOMEN: TREE IDENTIFICATION AND LEAFY TOTES

AUGUST 13 / SATURDAY / 1:00 – 4:00 PM
Registration required (Women; ages 14–17 are welcome when accompanied by a participating woman) Learn medicinal, edible and wildlife uses



of trees, identification, and use real leaves to “leafy” tote designs on a tote bag that will be yours to keep.



Learn to identify trees and create a “leafy” tote bag at Burr Oak Woods.

CREEK CRUISIN’ FOR FAMILIES

AUGUST 20 / SATURDAY / 10:00 – 11:30 AM
Registration required (Families with children ages 5 and up) Slosh, splash and wade your way through Burr Oak Woods Creek. Investigate this watery world and meet some of the amazing creatures that call the stream home. Put on your grubby shoes and come out for a wet and fun-filled family adventure!

JELLY MAKING CLASS

AUGUST 25 / THURSDAY / 10:00 AM – 12 NOON
Registration required (Adults) Give your next PB&J a wild twist with jelly made from wild grapes or elderberries. The Wild Ones will walk you through the steps of jelly making from wild berries.

I DON’T LIKE BUGS!

AUGUST 27 / SATURDAY / 10:00 – 11:00 AM
Registration required (Families with children ages 6 and up) Really? What’s there not to like? Come out to Burr Oak Woods and learn what there is to like about these creepy, crawly critters. Insects play a vital role in any habitat, including around your home! We’ll take a hike in search of the insects that we commonly see and those that you may not have noticed before.

ROCKIN’ & READIN’ NATURE TALES

AUGUST 27 / SATURDAY / 11:00 AM – 12 NOON
No registration required (Ages 2 and up) Join us for a story hour as we lead you on fantastic nature adventures! We will meet butterflies, birds, mammals and all sorts of magnificent creatures! We will cross rivers, discover mysteries within the forest and fly across the prairies. Our imaginations are the only limits.

Congratulations and thanks to Burr Oak Woods volunteers

We have wonderful volunteers at Burr Oak Woods whose hard work and dedication help us better serve the public. We’d like to recognize the following volunteers for reaching these service milestones:

- **100 hours:** Sharon Takade, Theresa Enderle, Jean Jones, Lowell Burns, Mikaela Jennings
- **200 hours:** Shane Collins, Deanna Rittel, John Rittel
- **300 hours:** Kathryn Brown, Andi Rittel
- **400 hours:** Gail McKay
- **500 hours:** Alex Rittel, Dianna Lentz
- **750 hours:** Pam Bussell, Sharon Hutcheson
- **2500 hours:** Frances Mathews

Good job everyone and a big thanks for your dedication and commitment.

We want to hear from you!



Survey planned for Burr Oak Woods

Our mission at Burr Oak Woods and all MDC nature centers is to introduce Missourians to fish, forest and wildlife resources and encourage a deeper conservation ethic.

This is your chance to tell us how we are doing and what you would like to see in the future. Our staff will conduct a Public Use Survey in July 2011 as a guide to determine the effectiveness of interpretive programs and exhibits, to help us to better understand the expectations of our visitors, why you visit, where you are from and what activities you engage in on site. In short, the purpose of the survey is to let us know how we can better serve you.

So if you see our staff at the front gate please stop and say hello. The survey will only take a minute of your time. Your input is important and will help guide our work into the next generation. Thank you.

– Lisa LaCombe, Manager
Burr Oak Woods Nature Center

What’s for dinner?

Join us as we feed the critters on exhibit at Burr Oak Woods Conservation Nature Center every Saturday and Wednesday at 3:00 p.m.

Lake City

SHOOTING RANGE & OUTDOOR EDUCATION CENTER

Located on 60 acres of forests and fields near Blue Springs, Missouri, six miles north of I-70 on MO 7 and two miles east of MO 7 on Truman Road in Landahl Park. Facilities include an outdoor education center, archery, pistol, rifle and shotgun ranges, including skeet and trap.



28505 E. TRUMAN ROAD
LANDAHL PARK
BUCKNER, MISSOURI 64016

HOURS: May 1 – September 15
Wednesday–Sunday: Noon–6 PM
September 16 – April 30
Wed.–Sunday: Noon–4:30 PM
Closed Monday & Tuesday
and all state holidays

FACILITIES AND FEES: Available for individual or group use. Call for information and possible restrictions.

- Rifle/pistol range: \$3.00 booth per hour
- Trap: \$3.00 per round per person
- Archery range: \$3.00 per person per hour

HOW TO REGISTER FOR A PROGRAM:

Programs are free. **Call 816-249-3194** to sign up for a *Registration required* program.
www.mdc.mo.gov/areas/ranges/lakecity/

WOMEN'S FIREARM SAFETY – PHASE I

JULY 16 / SATURDAY / 8:00 – 11:30 AM

Registration required (Women ages 18 and up)

Thinking about introducing a firearm into your home? This course is designed for women who are interested in gaining knowledge about firearms. Topics discussed include introducing a firearm into the home, basic marksmanship and laws regarding ownership of firearms.

DUTCH OVEN COOKING

JULY 23 / SATURDAY / 9:00 AM – 12 NOON

Registration required (Families) Dutch oven cooking is one of the most splendid activities on a camping trip. Transforming raw materials into an aromatic, mouth-watering meal or dessert is as much art as it is science. Watch the anticipation on faces as you lift the lid on your cast-iron Dutch oven and delicious smells escape.

INTRODUCTION TO DEER HUNTING

AUGUST 4 / THURSDAY / 6:00 – 8:30 PM

Registration required (Ages 12 and up) Want to take part in one of Missouri's most popular hunting experiences but you're not sure how to get started? Let us help you get that start for the 2011 Archery Deer Season. We will discuss what equipment you need, hunting, techniques, scouting ideas and more.

REFUSE TO BE A VICTIM – NRA COURSE

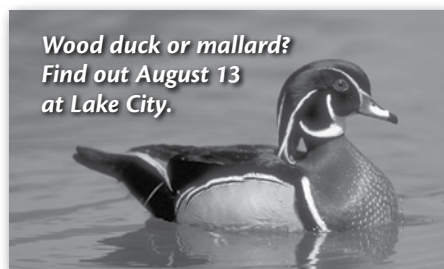
AUGUST 6 / SATURDAY / 9:00 AM – 12 NOON

Registration required (Adults) Refuse To Be A Victim is a nationally recognized crime prevention program developed by the National Rifle Association that promotes awareness and prevention of criminal attack. Topics covered include: home, automobile, phone, technological, travel and personal security.

WATERFOWL IDENTIFICATION

AUGUST 13 / SATURDAY / 9:00 AM – 12 NOON

Registration required (Families) Can you identify a wood duck from a mallard or a gadwall? Sharpen your skills in identifying different species of waterfowl for the upcoming 2011-2012 hunting season. This class will help the hunter to easily identify waterfowl before the bird is within shotgun range. Additional topics include; shot size for specific waterfowl, shot pattern density, shooting tips and using non-toxic shot.



WOMEN'S FIREARM SAFETY – PHASE I

AUGUST 20 / SATURDAY / 8:00 – 11:30 AM

Registration required (Women ages 18 and up)

Thinking about introducing a firearm into your home? This course is designed for women who are interested in gaining knowledge about firearms. Topics discussed include introducing a firearm into the home, basic marksmanship and laws regarding ownership of firearms.



John Kozloff practices with his target bow at the Lake City range to prepare for 3-D target shooting competitions, which are often held throughout Missouri in the summer.

Tuning up bow skills for archery deer hunting

The 2011-2012 archery deer hunting season is just around the corner. Will you have your shooting skills and equipment ready for opening day?

Lake City Range and Outdoor Education Center has an excellent archery range for you to practice your shooting skills. The range is located west of the main building and is divided into two shooting areas. One side has brown target butts that are for field tips only, while the other has white target butts that are suitable for use with crossbows and broadheads.

Both ranges have varying target distances of 10 to 60 yards. The ranges are equipped with permanent bow hangers, arrow holders in front of the firing line and tables for working on equipment.

The archery range is open to the public from 12 noon to 6 p.m. Wednesday through Sunday. Groups such as Scouts, 4-H and educational organizations can reserve the range for use during other weekdays and weekends. For more information or to make a reservation, call 816-249-3194.

PROGRAMS & EVENTS JULY & AUGUST

INTRODUCTION TO SKEET SHOOTING

JULY 10 / SUNDAY / 9:00 – 11:30 AM

Registration required (Ages 12 and up) Looking for quicker targets than trap shooting? Why not try skeet shooting? Skeet shooting is a great way to improve your basic shotgun skills and improve your hit ratio on winged game.

PARA-CORD WEAVING

JULY 12 / TUESDAY / 9:00 AM – 12 NOON

Registration required (Ages 8 – 14) This is a fun course for kids and their parents. The student will learn to weave para cord into bracelets, friendship bracelets and other articles using the following types of weave: Cobra Weave, S-Weave, Half Hitch, Four Strand Weave, and Back Cobra Weave. All materials are supplied and the kids will go home with a new bracelet.

Parma Woods

SHOOTING RANGE & OUTDOOR EDUCATION CENTER

Located in Platte County, Missouri. Go west of downtown Parkville on Route FF to River Road, then west 3 miles to the entrance located just west of I-435. Facilities are available for individual or group use and include a rifle/pistol range, shotgun patterning range, and archery range.



15900 NW RIVER ROAD
(MAIL) PO BOX 14024
PARKVILLE, MISSOURI 64152

HOURS: May 1 – September 30
Friday – Sunday: 10 AM – 4 PM
Monday & Tuesday: 2 PM – 8 PM
October 1 – April 30
Friday – Tuesday: Noon – 4:30 PM
Closed all state holidays

FACILITIES AND FEES: Available for individual or group use. Call for information and possible restrictions.

- Rifle/pistol range: \$3.00 booth per hour
- Shotgun patterning range: \$3.00 per hour
- Archery range: \$3.00 per person per hour

HOW TO REGISTER FOR A PROGRAM:
Programs are free. Call 816-891-9941 to sign up for a *Registration required* program.
www.mdc.mo.gov/areas/ranges/parma/

PROGRAMS & EVENTS JULY & AUGUST

HOLIDAY – RANGE CLOSED

JULY 4 / MONDAY / ALL DAY

Parma Woods will be closed in observance of Independence Day.

YOUTH OUTDOOR SKILLS DAY CAMP

JULY 6 – 8 / WEDNESDAY – FRIDAY /
9:00 AM – 3:00 PM EACH DAY

Registration required (Ages 11 – 15) Participants at this year's Outdoor Skills Day Camp will receive valuable hands-on training in a variety of different outdoor skills. Topics and skills this year will include archery, fire-building, map & compass navigation, using GPS devices, basic camping, casting games, wilderness survival, basic first aid and more. Registration is limited so reserve your spot early.

SHOOTING SPORTS AND ACTIVITIES

JULY 10 / SUNDAY / 1:00 – 3:00 PM

Registration required (All ages) Ever wonder what types of shooting activities are out there? Join us as we explore the wonderful world of the shooting sports. Whether you are 8 or 80 there is a shooting sport for you. We'll cover shooting sports related to all firearm groups, maybe even archery, and show you how to get involved.

DISCOVER NATURE WOMEN: BASIC ARCHERY

JULY 20 / WEDNESDAY / 6:00 – 9:00 PM

Registration required (Ages 18 and up) Ladies' Night, led by women only and attended by women only! Learn basic archery safety and shooting techniques. No longer will the bow and arrow intimidate you. Class runs late to give you plenty of practice time. Further develop your skills in the future with the like-minded friends.



DISCOVER NATURE FAMILIES: FROGGIN' CLINIC

JULY 29 / FRIDAY / 6:00 – 8:00 PM

AND JULY 29 / FRIDAY / 9:00 – 11:00 PM

Registration required (All ages) Some say they taste like chicken. You just don't know what you're missing until you try them out for yourself. We're talking about Frog Legs. Ever wanted to try them? Stop on in and enjoy the seminar where we'll discuss the ins and outs of froggin'. Then, for those up for a real adventure, we'll take in some spots where large frogs are known to lurk. Prepare to get wet, muddy and have the time of your life all at the same time.



DISCOVER NATURE FAMILIES: OUTDOOR SKILLS OVERNIGHT CAMPOUT

AUGUST 12 / FRIDAY / 7:00 PM TO

AUGUST 13 / SATURDAY / 11:00 AM

Registration required (All ages) Dog days of summer got you setting up camp indoors? Get the family away from the daily grind and experience the great outdoor escape! Activities during this overnight event will include tent camping, hiking, fishing, story-telling, music and more family fun. Enjoy learning the traditions and skills of experienced outdoors people – Missouri style!



EFFECTIVE TECHNIQUES FOR SIGHTING-IN

AUGUST 18 / THURSDAY / 6:00 – 8:00 PM

Registration required (Ages 11 and up) Experienced and successful hunters know that having their rifle zeroed or sighted-in often means the difference between a quick, clean

harvest and missed or wounded game. Bring out your rifle with plenty of ammo and let our staff teach you what it takes to make the shot. Topics will address basic shooting skills, common errors in shooting and different techniques for sighting-in.

BOWHUNTING FOR BEGINNERS

AUGUST 31 / WEDNESDAY / 6:00 – 9:00 PM

Registration required (Ages 8 and up) Many bowhunting opportunities exist close to home. Ever thought about taking up bowhunting but not sure how to get started? This is your class. Instructors will take you on a voyage through the world of bowhunting. Topics will include the basics like where to hunt, scouting for game, setting up tree stands or ground blinds, tree stand safety, selecting the right archery equipment for you, basic archery shooting skills and much more. Plan to attend this course and get started today.

Hopping-fast food from the pond

If you've ever had the pleasure to be around a pond on a hot summer night then you have no doubt heard the deep, resonating "JUGG-O-RUMM" mating call of the American bullfrog.

Bullfrogs are among the largest frogs in the world. In ponds and lakes in the Kansas City area, the bullfrog is king among amphibians. The stark green color blends in well with vegetation in their shallow water hangouts. This makes bullfrogs a challenge to pursue. Young frogs will leap into the water at the first sign of danger with a loud "EEP" sound. Mature and large bullfrogs are wary and surprisingly fast.



Fried frog legs are a tasty delicacy – but you've got to catch them first. Whether you pursue them with your hands, a hand

net, fishing poles, bow, gig or rifle, this popular game species presents a unique opportunity to enjoy the flavor of Missouri's outdoors. The frog hunting season begins after sunset on June 30, which is after the bullfrog mating season when frogs for the coming years have already been produced.

For more information about how you can harvest bullfrogs, check out our Discover Nature Families' Froggin' Clinic on July 29. But be sure to register your spots early because this course with limited availability will fill up fast.

Located in Kansas City, Missouri, just east of the Plaza near 47th and Troost. Six hands-on workshops explore Missouri's fish, forest, and wildlife with a Lewis and Clark theme. Discovery Center is a showcase for environmental architecture with four acres of native landscaping. Buy books and hunting /fishing permits at the gift shop.



4750 TROOST AVENUE
KANSAS CITY, MISSOURI 64110

HOURS: Monday – Friday: 8 AM – 5 PM
1st & 3rd Tuesdays: 8 AM – 9 PM
1st & 3rd Saturdays: 9 AM – 4 PM
Closed all state holidays

HOW TO REGISTER FOR A PROGRAM:
Programs are free. **Call 816-759-7300** to sign up for a *Registration required* program on or after the first business day of that month. Programs listed as *Walk-in* are come anytime. www.mdc.mo.gov/areas/kcmetro/

PROGRAMS & EVENTS JULY & AUGUST

RED, WILD & BLUE

JULY 2 / SATURDAY / 10:00 AM – 2:30 PM

Walk-in (All ages) Walk on the wild side wearing a sparkling work of art. We'll use real tree leaves and rubber fish models along with red and blue textile ink to print one-of-a-kind t-shirts that will add some pop to your holiday weekend! T-shirts are provided.

DISCOVER NATURE WOMEN: OUTDOOR COOKING

JULY 2 / SATURDAY / 10:00 AM – 1:00 PM

Registration required (Women and girls ages 14 – 17 with an adult woman participant) Prepare to explore the sizzle of outdoor cooking through this hands on program. Discover techniques to turn your campsite meal into the envy of the campground. Your palette will be satisfied by the delicious taste of a meal made completely outdoors.



LIFE CIRCLES: TREES AND TREE COOKIES

JULY 5 / TUESDAY / 6:30 – 8:00 PM

Walk-in (All ages) Discover the information revealed by tree rings. Learn to read the rings, uncover past growing conditions and find scars that indicate damaging conditions. Make your own tree cookie necklace.

DISCOVER NATURE WOMEN: CAMPOUT

JULY 9 – JULY 10 / SATURDAY 3:00 PM

TO SUNDAY 12 NOON

Registration required (Women and girls ages 14 – 17 with an adult woman participant) If you have attended one of our "Let's Go Camping" or backpacking classes, please join us for an overnight campout at a secure location in one of our local parks. We will meet at the Discovery Center on Saturday July 9 in time to leave at 3:00 pm. Once at the camp site you will employ your new skills to select a site, set up tents and prepare dinner. We'll learn about geocaching as we search for treasures in the forest. The day will culminate in a night hike and a campfire complete with s'mores and other fireside treats. On Sunday morning you will prepare breakfast, tear down the tents and practice your 'leave no trace' skills. We expect to leave the site around noon on Sunday.



GEOCACHING AT DISCOVERY CENTER

JULY 16 / SATURDAY / 10:00 AM – 2:30 PM

Walk-in (Ages 9 and up) Geocaching is a sport that can get your whole family into the great outdoors. There are 2400 geocaches in Kansas City alone. Come discover the ins and outs of this sport and prepare yourself to jump into this great outdoor activity. New groups will start every hour on the hour.

RAP'N 'BOUT REPTILES

JULY 16 / SATURDAY / 10:30 – 11:45 AM

OR 1:00 – 2:15 PM

No registration required (Ages 12 and up) They're cold blooded and scaly, some slither while others walk, but they are almost always misunderstood. Join Missouri Master Naturalist Barbara VanVleck to learn fascinating facts about Missouri's reptiles. Overcome your fears by understanding the biology and behavior of snakes, turtles and lizards. You will even have the opportunity to observe and touch a few harmless reptiles.



NEIGHBORHOOD HIKE

JULY 19 / TUESDAY / 6:30 – 7:15 PM

OR 7:30 – 8:15 PM

No registration required (All ages) We miss so much because we have developed the habit of looking but not seeing. Join us for an exploration of the nature that surrounds us. We will meet at Discovery Center and take a route that will help us explore and appreciate neighborhood gardens and landscapes. Bring water bottles and your walking stick

NATURE ART WITH DEER TAIL PAINTBRUSHES

AUGUST 2 / TUESDAY / 6:00 – 8:00 PM

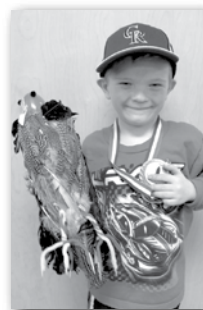
Walk-in (All ages) Learn new ways the white-tailed deer can help you appreciate art. We'll provide all the materials needed to create a paintbrush using the tail fur of one of Missouri's most popular mammals.

RAPTOR ROCKETS

AUGUST 6 / SATURDAY / 10:00 – 11:30 AM

OR 1:00 – 2:30 PM

Registration required (All ages) Owls, hawks and eagles are only a few of the raptors or birds of prey that call Missouri home. We'll create a raptor of our own using items from home and then find out whose raptor soars the highest using our rocket launcher. Please bring one empty, two-liter soda bottle with all labels removed for each participant.



THE ART OF NATURE

AUGUST 6 / SATURDAY / 10:00 AM – 2:30 PM

Walk-in (All ages) Nature is a never ending source of supplies for unique and special art projects. Join us as we collect natural materials from Discovery Center gardens and create sculptures and patterns. We'll then photograph them, print the photos for you to take home and then return the materials to the garden. You will make true one-of-a-kind projects that will never be repeated.

WILDERNESS SURVIVAL

AUGUST 16 / TUESDAY / 6:00 – 8:30 PM

Registration required (Ages 10 and up) Would you be able to survive in the wilderness without matches or lighters? How would you navigate without a compass? Wilderness survival is linked to what nature provides. Modern gadgets will be put aside as we learn how to make rope, start a fire, build a shelter and more. Bring your spirit of adventure and leave with skills for survival.

BUTTERFLY BURNING

AUGUST 20 / SATURDAY / 10:00 AM – 2:00 PM
Registration required (Adults) Capture the image of a butterfly that will last through time. Acquire the skills to use a wood burner safely on a wooden plaque. You will need to bring your lunch.

PRIMITIVE SKILLS

AUGUST 20 / SATURDAY / 10:00 AM – 2:30 PM
Walk-in (All ages) Did your elders ever tell you how they used to catch dinner using nothing but a stick and their bare hands? Well, sometimes simplicity has its place. After all, the ancient was once the modern. Today we still make useful tools out of a versatile Missouri plant called river cane. Join us and try your skill at throwing a spear with a homemade atlatl or make your own cane pole to use at your favorite fishing hole.



Learn to throw an atlatl – a primitive spear throwing device – at the Discovery Center, Saturday, August 20.

HOLIDAY CLOSINGS FOR JULY

Discovery Center, Lake City and
Parma Woods are closed all
state holidays. As a result, these
Missouri Department of Conservation
sites will be closed:

Monday, July 4

conservation education summer workshops

Natural Resource Management Workshop for Teachers

JULY 20 / 8:00 AM – 5:00 PM

JULY 21 / 2:00 PM – 11:00 PM

JULY 22 / 8:00 AM – 5:00 PM

In today's world, natural resource management is a key component to healthy ecosystems. Without management practices, populations go unchecked and exotics flourish. This course is designed to get teachers real life experience in the field of natural resource management. Hands-on experiences can then be taught in their classrooms.

This three day course will focus on the importance of natural resource management on conservation areas, private lands and Missouri's waterways and will be taught by resource professionals. Topics that will be covered include habitat management, exotic species removal, urban encroachment and population estimations. The course will have some classroom lecture but the bulk of the material will be taught outdoors and will include one evening session. The class is designed for upper middle school to college instructors who focus on ecology or biological science. However, teachers looking to advance their resource knowledge or pre-service teachers are encouraged to join us. For more information or to register, contact **Jeremy Soucy** at **816-759-7305 ext. 1136** or email at jeremy.soucy@mdc.mo.gov

to conservation areas. Guided instruction and inquiry based activities will support learners as they develop an understanding for various ecosystems such as woodlands, wetlands, rivers and prairies. You will exit the class understanding which Missouri Department of Conservation grant program or Discovery Center workshop best integrates into your classroom curriculum. These tools will operate as a catalyst for helping students discover nature in the city.

The first session will be conducted from 8 a.m. to 5 p.m. on July 26 at Burr Oak Woods Nature Center in Blue Springs. The second session will be from 8 a.m. to 5 p.m. on July 27 at the Anita B. Gorman Discovery Center in Kansas City. To enroll, contact **Claudine Lamb** at **816-759-7305 ext. 1133** or email at Claudine.Lamb@mdc.mo.gov

Open House for Educators at the Discovery Center

JULY 27 / 8:30 AM – 5:00 PM

Have you ever wondered what programs Discovery Center offers school students? Teachers, do you consistently participate in the same workshop program, unsure what other programs are available? Join us for an open house for educators, scout and youth group leaders.

Discovery Center has six hands-on workshops, each with its own conservation themed programs. All classes coordinate with relevant grade level expectations. Join us to experience what activities and concepts each workshop covers to best identify what corresponds to your classroom curriculum. Choose between five kindergarten through 3rd grade nature programs, six Lewis and Clark themed programs geared for 4th – 8th grade students or eight 4th – 8th grade conservation programs.

In addition, learn about the green features of Discovery Center's building. All school programs are available to Missouri educators to schedule. Register at 816-759-7300 for this hands-on program by Monday, July 25.

Discover Nature in the City through Curriculum Connections

JULY 26 & 27 / 8:00 AM – 5:00 PM

Environmental studies are not just for teaching students about the rain forests, North Pole or African plains. Students can also learn about the environment by looking out their backdoors, and teachers can cultivate student's curiosity for the natural world by showing them nature's role within the city.

Join us to learn how to prepare and lead an outdoor field trip for your students

Modern Archers

CONTINUED FROM FRONT PAGE

an economic boost from their travel and gear purchases.

Modern bowhunting plays an important role in wildlife management. Hunters using archery equipment are often called upon to reduce urban wildlife populations where hunting with firearms would be unsafe.

Modern bowhunting provides unique challenges and opportunities to pursue game. The bow is a short-range hunting tool and bowhunters must get very close to game. This requires refined outdoor skills. Bowhunters also must be good shots to be successful.

MDC offers numerous opportunities here in the Kansas City area to help you become a bowhunter including classes that teach basic skills. Classes will be offered this summer and fall at the Lake City and Parma Woods shooting ranges. Both of the staffed shooting ranges also have archery target ranges that are available for a nominal fee of \$3 per hour.

Also, MDC provides several archery target ranges at conservation areas in the Kansas City area to help archers become proficient. They are not staffed but usage is free.

In Lee's Summit, check out the range at James A. Reed Memorial Wildlife Area. This range is accessed off Smart Road and features a walk-through style archery course with 28 targets placed at various distances. The wooded location provides plenty of shade in the summer and visitors will benefit from the well-maintained privy and picnic shelter. Provided at every station is a bow hanger and target ID number. Feel free to shoot the whole course or if you are pressed on time

Archery classes will be offered this summer and fall at Parma Woods and Lake City.



exit the course at the halfway point. Just remember that no broadhead arrow points used for hunting are allowed because they damage targets.

The Platte Falls Conserva-

tion Area has an archery range east of Platte City that is also ADA accessible. The range is accessed from Route HH and features a covered pavilion, privy restroom and static targets from 10 to 50 yards.

For those that wish to shoot hunting broadheads, bring your own target and utilize one of the two broadhead pits located on the right side down range from the firing line. Additionally there is a walk-through course located in the nearby hills that offer targets for field points at various distances.

If you want to travel a little farther from the metro area, check out the Golden Valley Archery Range in Clinton, the Pigeon Hill Archery Range near St. Joseph, Poosey Archery Range near Chillicothe or Brickyard Hill Archery Range near Rockport. For more information on any of these ranges (or any of the 75 others statewide), class offerings or bow-hunting visit www.mdc.mo.gov.

— Nathan Woodland, Parma Woods range supervisor



Best Picture Award

PHOTO BY JD STOUT

JD Stout of Independence is the first-place winner of our annual Burr Oak Woods photography contest. JD snapped a beautiful photo of a white-tailed deer fawn near the Nature Center in the spring of 2010. This is JD's first entry in our photo contest, although he has enjoyed wildlife photography for two decades. **Jeff Evans** of Blue Springs took the second-place photo, and third place went to **Marcy Oelklaus** of Independence. The contest was open to members of the public whose photos were taken at Burr Oak Woods Conservation Area. Thank you to all the visitors who submitted entries. Keep those cameras ready during hikes and activities to enter 2011 photos in the next contest.

TIPS FOR PRE-SEASON ARCHERY TUNEUPS

JULY AND AUGUST are good months to be on the archery range working on your shooting skills and insuring your equipment is in excellent working order. Here are a few tips which may help you be a better archer this year.

➤ *If you are going to purchase a new bow or equipment for your existing bow, do it early in the summer.* This will allow you time to find out if you are going to have any problems with the equipment. Remember, everything may not work as advertised and even if it does it may take some getting used to on your part. Besides, practice shooting helps you build confidence in your equipment.

➤ *Shoot often, everyday if possible, and shoot lots of arrows at each session.* The more you shoot the more your muscles will strengthen in your back and arms. That allows you to steady the bow and significantly increase your arrow accuracy.

➤ *As summer practice continues, work on your form and follow-through.* Take your time shooting and concentrate on form and putting the arrow exactly on target.

➤ *Challenge yourself on the archery range.* One way to do this is by shooting at targets that are outside your comfort range. For example, if you shoot in your backyard and it is only 25 yards, go to an archery range where you can shoot at target distances of 40 to 50 yards. Once you become proficient at shooting 40 yards your confidence in hitting a much closer target, such as a deer in a hunting situation, is much greater. This leads to more success in the field during the hunting season.

